

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior listings of claims in this application.

Please amend claims 39, 40, and 48, as follows:

1-38. (Cancelled).

39. (Currently Amended) An apparatus for positioning a substrate with a plurality of sample detection chambers in a detection unit, comprising:

a frame assembly, said frame assembly configured so that a substrate may be positioned in the frame assembly; and

a lens assembly, said lens assembly including a plurality of plates, one of said plates comprising a lens plate in which ~~at least one lens is a plurality of lenses are~~ located for focusing a light which passes through the ~~lens~~ lenses.

40. (Currently Amended) The apparatus of claim 39, wherein said lens assembly includes a top plate with ~~at least one hole a plurality of holes~~ corresponding to each ~~lens~~ lenses of the lens plate.

41. (Original) The apparatus of claim 40, wherein said lens assembly further includes a middle plate, said middle plate providing support for each lens of the lens plate, said middle plate being pressed against a bottom surface of the top plate and the lens plate.

42. (Original) The apparatus of claim 41, wherein said middle plate includes a plurality of flexible biasing members for providing support for each lens of the lens plate by biasing each lens toward the lens plate.

43. (Original) The apparatus of claim 42, wherein each flexible biasing member comprises radially extending arms positioned around a hole in the middle plate aligned with each lens of the lens plate.

44. (Original) The apparatus of claim 39, wherein said lens plate includes a sealing element on the bottom surface thereof for engaging said substrate.

45. (Original) The apparatus of claim 44, wherein said sealing element comprises an elongate member having an interior cavity.

46. (Original) The apparatus of claim 39, wherein said frame assembly comprises a support plate with an upper surface against which the substrate may be placed and at least one raised surface around a periphery of the upper surface for engaging the substrate in order to limit lateral movement of the substrate.

47. (Original) The apparatus of claim 46, wherein said at least one raised surface is configured to engage outer edges of the substrate when the substrate is positioned in the frame assembly.

48. (Currently Amended) A method of positioning a substrate with at least one sample detection chamber into a sample detection instrument, comprising the steps of:
- opening the sample detection instrument;
 - placing a support frame on the sample detection instrument;
 - inserting a substrate with at least one sample detection chamber in the support frame;
 - placing a lens plate having a plurality of lenses over the substrate and support frame, and aligning at least one hole in the lens plate relative to the sample detection chamber of the substrate; and
 - closing the sample detection instrument.

49. (Original) The method of claim 48, wherein said step of placing a lens plate over the substrate includes engaging a portion of the lens plate against a top surface of the at least one sample detection chamber.